

Title (en)

CLOSURE CAP FOR A BOTTLE WITH CONTROLLED OPENING

Title (de)

FLASCHENVERSCHLUSS MIT KONTROLIERTER ÖFFNUNGSBEWEGUNG

Title (fr)

BOUCHON DE FERMETURE D'UN FLACON, A OUVERTURE CONTROLEE

Publication

EP 1578675 A1 20050928 (FR)

Application

EP 03796166 A 20031204

Priority

- FR 0303595 W 20031204
- FR 0216941 A 20021231

Abstract (en)

[origin: US2006151416A1] A closure device for a container, particularly a bottle, has a stopper called the service cap, arranged at the end thereof, on which a closing flap pivots. The closure device is provided with a locking system and cooperates with a hole in the sealed closure, or can be opened by pivoting. The closing flap has an opening device to guarantee the complete pivoting of the closing flap on opening, by a constant force and a constant movement without manual action of the user, immediately after the same has carried out a voluntary manual operation on the closing flap which is limited to releasing the locking system thereof.

IPC 1-7

B65D 47/08

IPC 8 full level

B65D 47/08 (2006.01)

CPC (source: EP US)

B65D 47/0828 (2013.01 - EP US); **B65D 2251/1041** (2013.01 - EP US); **B65D 2251/1066** (2013.01 - EP US)

Citation (search report)

See references of WO 2004067399A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006151416 A1 20060713; US 7651002 B2 20100126; AT E358634 T1 20070415; AU 2003298418 A1 20040823;
DE 60313038 D1 20070516; DE 60313038 T2 20071213; EP 1578675 A1 20050928; EP 1578675 B1 20070404; ES 2285250 T3 20071116;
FR 2849429 A1 20040702; FR 2849429 B1 20050527; WO 2004067399 A1 20040812

DOCDB simple family (application)

US 53536505 A 20050518; AT 03796166 T 20031204; AU 2003298418 A 20031204; DE 60313038 T 20031204; EP 03796166 A 20031204;
ES 03796166 T 20031204; FR 0216941 A 20021231; FR 0303595 W 20031204